

In the Drawings:

The attached sheets of drawings include changes to FIG. 1 and a new figure, FIG. 5. The replacement sheet for FIG. 1 replaces the original sheet of FIG. 1.

Attachment: Replacement sheet and new sheet

REMARKS

Applicant has amended claims 1 and 5 to improve English usage but not to overcome the claim rejection. Applicant has also amended claims 3 and 4 to overcome the claim objection.

Applicant thanks the Examiner for indicating allowable subject matter.

The drawings have been objected to because the drawings did not show “a plurality of pixels” recited in claim 1. Applicant has amended the drawings to include a new figure, FIG. 5, which shows a plurality of pixels 1. No new matter has been added because original claim 1 is part of the written description. *In re Gardner*, 475 F.2d 1389, 1391 (CCPA 1973). Applicant has also amended the specification and FIG. 1 to reflect the addition of FIG. 5.

Claims 3 and 4 have been objected to because in the Examiner’s view the recitation of “the channel” in the claims is informal. Applicant believes that there is nothing informal about this recitation because the claims recite only one “channel.” However, solely to expedite prosecution and without narrowing their claims, applicant has amended claims 3 and 4 to recite “the channel of the P type.” Applicant notes that even though the Examiner requested that “the channel of the P type impurity region” be used in the claims, this exact wording has no antecedent basis in claim 1 from which claims 3 and 4 depend.

Claims 1, 2 and 5 have been rejected under 35 USC 102(e) as anticipated by U.S. Patent Publication No. 2004/0089862 (Kimura). Applicant respectfully traverses this rejection.

This application claims priority from Japanese Patent Application No. 2003-055336, filed March 3, 2003. Since the filing date of applicant’s priority Japanese application is before the effective filing date of Kimura, July 9, 2003, Kimura is not prior art. Applicant submits a sworn translation of the Japanese priority application with this amendment.

In light of the above, a Notice of Allowance is solicited.

In the event that the transmittal letter is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief is required, applicant petitions

for any required relief including extensions of time and authorizes the Commissioner to charge the cost of such petitions and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952**, referencing Docket No. **606402016700**.

Respectfully submitted,

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